

## Documentation for errors.h and errors.c

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See the document “LibDoc” for general information about this and other libraries.

```
void displayerr(int er);
```

Requires: <stdio.h>

Example program: SpectFit

Written 3/3/02 on Macintosh. No testing.

This library is intended for convenient and consistent treatment of errors that are detected during runtime.

displayerr displays to stderr a string that corresponds to the error code sent in as er. These codes are match those from DiskIO.c, Spectra.c, and BasisFn.c.

<u>er</u>	<u>string</u>
0	no error reported
1	unable to allocate memory
2	file transfer cancelled
3	file write error
4	file read error
5	file not found
6	library function called with bad inputs
7	function not recognized
8	complex numbers not supported
9	divide by zero error
10	only one data set is complex
11	incompatible x values
12	real numbers not supported
13	modifier command not recognized
14	parameter out of bounds
15	data are not evenly spaced
16	missing data set
17	equation result overflow or not a number
18	equation cannot be calculated
19	missing operand
20	incompatible operator
21	incompatible operand
22	invalid structure root
23	invalid structure member
24	incorrect parameter name
25	too many arguments used
26	too few arguments used
27	incompatible argument type
28	argument is undefined
29	mismatched parantheses
30	mismatched quotes
31	syntax error
32	no model defined
33	no data stored

34 insufficient space allocated  
35 can't assign to left side  
36 assignment impossible with right side  
37 right side type doesn't match left  
38 incorrect data type  
39 object is NULL  
40 not a basis function  
41 not a variable  
42 no basis functions  
43 not permitted  
44 argument out of bounds  
45 limits set incorrectly  
999 an impossible situation occurred  
>1000 error reading line *er-1000*